

The Wobbly Oscillator



Hams Who Serve

Cuyahoga Amateur Radio Society

March 2023 Volume 53 Number 3



Happy St. Patrick's Day

From The Prez

Licensing Classes

Even though the CARS annual licensing classes are underway, and we held the orientation last Thursday, there is still time to register and begin learning for a Technician ticket or upgrading to General or Extra. One can do so by coming to the Seven Hills City Hall Community Room this Thursday, March 2nd.

Since we had no one sign-up for the Technician class, we can start March 2nd, and use the normally scheduled off week staying on track to take the VE test on its planned date. Pass the word to anyone you know who is interested in becoming a ham.

Many years ago, I missed the first two weeks of the CARS Technician class and was able to catch up and pass the exam to become a licensed amateur. We will be more than happy to help anyone make up for lost time.

Please call me at 440-525-6109 or email me at wt8o@att.net if you want to sign up or have any questions.

Field Day

In the spring a ham's fancy turns to Field Day. The committee has been busy making plans and we started signing up participants at the February club meeting. We will be using Calvin Park in Seven Hills as we have for the last several years.

Please see the Field Day article down the page.

Help Wanted

The club needs a couple of positions filled as soon as possible. We will be discussing these at the March meeting if this plea does not bring an immediate response. We need a new Christmas Party-Summer Picnic committee chairman and a QSL manager. Major thanks to Mark, WJ8WM, and Tom, WB8N, for their past efforts.

The Christmas Party-Summer Picnic committee is still in place with its experienced group of members. Whoever takes over as chairman will have plenty of help and a history to use a basic plan.

The QSL manager will need to be responsible for the W8BM and W8HBI contacts that are usually used in club events such as Field Day.

We will have a meeting item at the March meeting to address the need for these positions.

73, Toby, WT8O

IT WAS ONE OF THOSE
MARCH DAYS WHEN THE
SUN SHINES HOT AND THE
WIND BLOWS COLD: WHEN
IT IS SUMMER IN THE
LIGHT, AND WINTER IN THE
SHADE.

~ CHARLES DICKENS

March Birthdays



Mike Cegelski, KSEHP	3-2
Jim Wolan, KESTLG	3-16
Blaine Coleman, KASKPB	3-18
David Karow, ACSTN	3-18
Terry Pillat, KBSDTC	3-18
John Derner, NUSY	3-20
Connie Sheehan, KSCCS	3-20
Tony Bacevice, WASFYW	3-25
Dan Angyal, KESMJG	3/26
Chuck Mehozonek, KSCVM	3-27
Linda Fox, KM4GSF	3-28
Gary Abramowski, KESPZJ	3-29
Simpson Huston, NSUZF	3-29
Mark Moro, WJSWM	3-30
Bruce Bacik, NSDJX	3-31
Kim Balach, KDSFTU	3-31

February 2023 Meeting Minutes

LOCATION — The meeting was held on February 14th at the Busch Funeral Home on Ridge Road in Parma, Ohio

CALLED TO ORDER — The meeting was called to order by President Toby Kolman, WT8O, at 7:30 PM

PLEDGE OF ALLEGIANCE — Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS — Those present introduced themselves. 17 individuals attended the meeting, 16 of whom were members.

JANUARY MINUTES — The January minutes were approved as published in the February WO.

TREASURER'S REPORT — Bob Check, W8GC, reported on the Club's current financial situation. No issues or concerns were identified. Dues are due now. PayPal is not accepting personal payments for dues so please pay via cash or check, if possible.

PRESIDENT'S REPORT — Toby Kolman, WT8O, reported the following:

- Toby presented awards to the following Club members:
 - David, AC8TN (not present), Ron, K8RJH, and Scott, AC8NW for Net Control
 - Bob, KC8MRC (not present), for most Net check-ins
 - Metro, W8MET, for meritorious service
- Bill, WA8GEO, has been discharged from the hospital and is recovering well at home, and thanked all those who signed the get-well card.
- Toby thanked everyone for their WO contributions.



The CARS radio club is a patriotic bunch as they start every meeting by pledging allegiance to the American flag.

Next CARS Meeting

Tuesday, March 14 - 7:30 PM

Busch Community Room

Chuck Mehozonek, K8CVM

Cuyahoga County ARES

Emergency Coordinator

Will present a program on:

Emergency Coordinator's Duties

See Website for Details - www.2cars.org

VICE PRESIDENT'S REPORT — Ron Hollas, K8RJH, reported the following:

- The Audit Committee completed its audit of the Club finances. No issues were identified.
- The ARRL held its Board Meeting on January 20-21, 2023. The full minutes can be found online – <https://www.arrl.org/files/file/ODV/Board%20Meeting%20Jan%202023/ARRL%202023%20Annual%20Board%20of%20Directors%20Meeting%20Minutes%20Final%20-%20UPDATE%2002-15.pdf>. Items of interest include the following:
 - The ARRL will recognize clubs with 25 years of affiliation and then every 25 years thereafter.
 - The ARRL will develop a program to promote the use of the 10m and 6m bands. Less than 25% of newly licensed Amateur Radio operators will use their licenses on a regular basis. The Club will follow up with Tom Sly, WB8LCD, to understand what constitutes using a license on a regular basis.
 - Logbook of the World (LoTW) has over 150,000 callsigns enrolled and 1.6 billion QSO Reports.
 - Field Day may reintroduce the high-power category and scoring changes for phone contacts. There may be a member Field Day logo design contest in 2024.
 - HQ staff are implementing a process for members to record their volunteer efforts for the President's Volunteer Service Award Program. Chuck, K8CVM, noted that ARES recorded 26 events and tens of thousands of hours last year. More information on this program can be found online – <https://presidentalserviceawards.gov/>.



Riding his wave of good luck, Chuck, K8CVM, counts his winnings from the 50/50. (L)

Jim Petroski, W8NRX, gave an enlightening presentation on LED lighting. [Pun intended, Ed.] (R)



SECRETARY'S REPORT — Secretary Matt Perlman, KE8OZU, had nothing to report.

NEW MEMBER — Steven Miller, N8IYA, was voted into the Club with all but one member voting "Aye".

PUBLIC SERVICE — Chuck, K8CVM, reported that the next ARES meeting is February 21. Jeff, K8JTK, the Tech Coordinator for the ARRL will be presenting at the meeting. The East vs West Marathon will occur on April 8, starting at the Forest City Brewing Company. Walk MS is scheduled for May 6. The Cleveland Marathon is May 20 and 21, the same weekend as Dayton Hamfest. See <https://n8esg.org/> for more information about local events.

VE UPDATE — Metro, W8MET, reported that the recent VE session on January 8, 2023 resulted in two Technician, one General (who also earned his Technician), one Extra and one renewal. Thanks to George, K8KR, for helping with the session. The next VE session will be at 9:15 AM on March 12th at the Old Rec Center in Independence.

PROGRAM COMMITTEE — Joe, KD8BAL, reported that upcoming presentations for CARS meetings include:

- Today's program will be Jim Petroski, W8NRX, from the Woodchuck Radio Club, presenting on LED thermal properties.
- March's program will be Chuck, K8CVM, presenting as the ARES EC.
- April's program is TBA.
- Please contact Joe with ideas for future programs.
-

TECH COMMITTEE — Scott, AC8NW, reported that Wires-X is in progress. The initial setup did not work as expected. The equipment is currently in Ron's, K8RJH's, QTH and is getting about 90 minutes of use daily. Andy, KD8SCV, made a contact with New Zealand via Wires-X. The Parma repeater input may be operational. The last Net had more internet check-ins than RF check-ins.



Metro, W8MET, accepts the special award plaque of Meritorious Service for his exceptional effort developing the CARS Volunteer Examiner program.

QUARTERMASTER — Toby, WT8O, reported that all club equipment has been moved to the storage location in North Royalton. Toby is acting as the interim Quartermaster until a volunteer takes the position permanently.

HISTORIAN — Toby, WT8O, reported that he completed the list of past CARS presidents. The next task for the Historian is to document the story of the Club logo. Toby is looking into whether ex-president Shirley Lovell is related to the astronaut James Lovell. Toby is acting as the interim Historian until a volunteer takes the position permanently.

REFRESHMENTS — Toby, WT8O, thanked Ron, K8RJH, for providing soft drinks, Matt, NU8H, for providing doughnuts and John, NU8Y, for providing coffee.

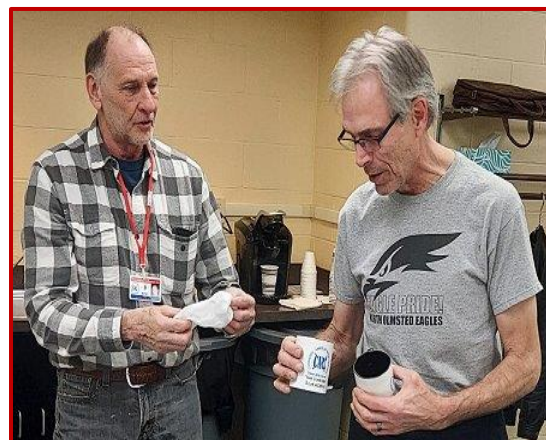
OLD BUSINESS — Toby, WT8O, led a discussion on the following:

- The Club Tool and Equipment Pool listing will be available in a password protected area of the website soon.



Ron, K8RJH, is exuberant as he accepts a CARS mug for his work as a Net Controller. (L)

Scott, AC8NW, was speechless receiving a broken mug before getting the replacement for his NCS award. (R)



NEW BUSINESS — Toby, WT8O, led a discussion on the following:

- A licensing class is planned for this year, starting February 23. David, KD8ACO, will be preparing the class materials. Toby, WT8O, Ron, K8RJH and Joel, K8SHB, will be teaching the class. Please sign up on the CARS website – <http://www.2cars.org>.
- Ron, K8RJH, will have more information on the ARRL CW Code Proficiency certificate at the next CW class.
- CARS will assist with the Seven Hills Memorial Day parade again this year. The city has a new parade coordinator.
- Field Day sign-up starts now. The sign-up sheet was available at the meeting and will be available during future meetings.

NEXT MEETING — The next meeting of The Cuyahoga Amateur Radio Society will be March 14, 2023 at the Busch Funeral Home on Ridge Road in Parma, Ohio.

50/50 Drawing — Chuck, K8CVM, won the 50/50 drawing.

ADJOURNMENT — Toby, WT8O, adjourned the meeting at 8:16 PM.

After the meeting, Jim Petroski, W8NRX, from the Woodchuck Radio Club, presented on LED thermal properties.

Submitted by Matt Perlman, KE8OZU, CARS Secretary

Thank You to CARS

Four years ago, I passed the Technician Class license exam, and then passed the next two exams in the following two years. I want to thank all the fine folks at the CARS group for their volunteer service in preparing the study materials, for conducting the training sessions, and for administering the license exams. I am very glad to have met such a fine group of individuals who are so enthusiastic about this wonderful and rewarding hobby. I would encourage all hams to invite anyone you know with even the slightest interest in amateur radio to attend the CARS training sessions, monthly meetings, weekly nets, and especially the summer Field Day. I couldn't have done it without all of you.

Sincerely,
John Darnar, NU8Y

CARS Repeaters

146.820 (-) PL Tone 110.9

Analog Repeater

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Receive Only Site - Parma

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

WIRES X Node 91242 Room 01242

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.820 Repeater

Brecksville

444.75 (+) PL Tone 131.8

Analog Repeater

Not Linked to Other Repeaters

Shaker Hts.

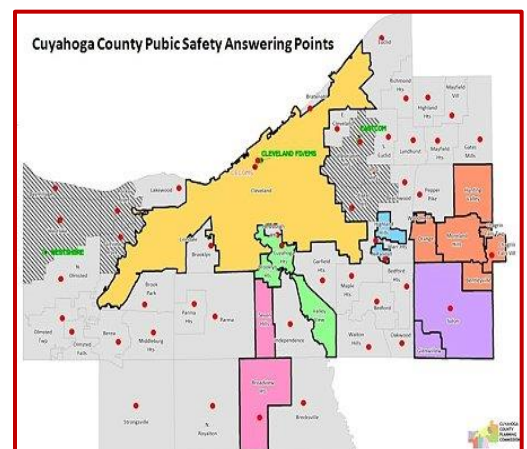
911 By the Numbers

Ron, K8RJH

Dialing 911 for emergency on any land line, cellular or VOIP phone today is expected to be a reliable and dependable service connecting to local police and fire resources, no matter where the call is placed or the type of phone that is used to make the call. A typical day now will count over 600,000 calls placed using 911 and given no thought by most people on how recently this service has become a common expectation with their phone usage. For an average year, around 240 million 911 calls are made just within the U.S.

The universal emergency calling system that we use now in the US has only been available for most Americans since the 1990's. Here is a summary timeline of how the 911 service evolved.

- In 1957, when the National Association of Fire Chiefs first recommended use of a single number for reporting fires.
- In 1967, the President's Commission on Law Enforcement and Administration of Justice recommended that a "single number should be established" nationwide for reporting emergency situations. As a result of the immense interest in this issue, the President's Commission on Civil Disorders turned to the Federal Communications Commission (FCC) for a solution.
- The FCC met with the American Telephone and Telegraph Company (AT&T) to find a means of establishing a universal emergency number that could be implemented quickly. AT&T announced, and Congress approved that it would establish the digits 9-1-1 (nine-one-one) as the emergency code throughout the United States.
- On February 16, 1968, Senator Rankin Fite completed the first 9-1-1 call made in the United States in Haleyville, Alabama. The serving telephone company was then Alabama Telephone Company. This Haleyville 9-1-1 system is still in operation today followed by Nome, Alaska implementing 9-1-1 service a week later on February 22, 1968.
- Then in the early 1970s, AT&T began the development of sophisticated features for the 9-1-1 with a pilot program in Alameda County, California. By the end of 1976, 9-1-1 was serving about 17% of the population of the United States. In 1979, approximately 26% of the population of the United States had 9-1-1 service, and nine states had enacted 9-1-1 legislation. In the 1980's, 9-1-1 service was growing at the rate of 70 new systems per year.



*Cuyahoga County
PSAP Locations*

One of those new systems included Cuyahoga County in November 1987, establishing 911 emergency dialing for local medical, police, and fire services.

By 1990, 50% of the US population had access to 9-1-1 emergency service numbers.

In addition, Canada recognized the advantages of a single emergency number and chose to adopt 9-1-1 rather than use a different means of emergency reporting service, thus unifying the concept, and giving 9-1-1 international stature. By the year 2000, nearly 93% of the population of the United States was covered by some type of 9-1-1 service.

While the overall 911 system has become an important part of the United States' emergency preparedness, identification, and response, it's not a national system. There are over 5,700 primary and secondary Public Safety Answering Points (PSAPs) in the U.S. that handle 911 calls. There are also over 3,000 counties that have their own 911 call centers. Each PSAP and each county is tied into its own system and only handles calls from its designated area. In Cuyahoga County there are usually 47 active PSAP centers processing, routing, and dispatching 911 calls for emergency services.

Today in 2023, nearly all of the US population has 911 access with over 80% of all 911 calls being made from wireless devices.

Reference and Additional Information: National Emergency Number Association (NENA) <https://www.nena.org/>



1920 Buick Touring car, one of the radio equipped Flying Squad police vehicles. These radio vehicles had a five-man crew assigned. The car is parked on the street in front of the old Second Precinct Station at the corner of the former Oregon and Oliver Streets, present day Rockwell and East 24th St.

March Net Shed

MAR	1	AC8NW
MAR	8	AC8TN
MAR	15	WT8O
MAR	22	K8RJH
MAR	29	KD8ACO

**Nets are run every Wednesday at
9:00 PM on:**

146.820 (PL 110.9)

**443.825(+) PL Tone 131.8
Digital Yaesu Fusion
Linked to the 146.82 Repeater**

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

WIRES X Node 91242 Room 01242

Field Day 2023

Bob, K8RCJ

Field Day this year is the weekend of June 24th and 25th. We will be setting up at Calvin Park in Seven Hills. The plans right now are for a six-station operation, two SSB stations, two digital stations and one CW station and a sixth station for traffic, messaging, alternate power, and satellite contacts. Toby Kolman, WT8O, is the captain for the two SSB stations, Richard Robbins, WA8RR, is the captain for the two digital stations, David Korow, AC8TN, is the captain for the CW station and Eddie Stevens, KD8FTS, is captain for the sixth station. If you want to be part of the planning and station setup, contact the individual captains. Their phone numbers are on the CARS membership list which is available at www.2cars.org

There have not been any announced rule changes, so the rules are the same as last year. There is still a 100-Watt power limit for all stations. This evens the playing field. There is still a class D home station. These stations can work any other station for QSO credit. They can also aggregate their scores with the club's score. So, we will have a score for the Calvin Park operation and aggregate score including class D home stations. A complete set of rules can be found at www.arrl.org/field-day-rules.



Vince, N8OWS, was honored at the CARS holiday party for his outstanding work and guidance with the K8ZFR repeater system.

Honorary Members

Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society

Robert Check, W8GC

Elected 2/10/15

Thomas Wayne, WB8N

Elected 1/10/17

Dwaine Modock, K8ME, SK

Elected 5/9/17

Toby Kolman, WT8O

Elected 10/10/17

Jerry Smith, NW9H

Elected 5/8/18

Ron Borkey, K8VJG, SK

Elected 5/14/19

Ed Stevens, WB8ROK, SK

Elected 8/10/21

Cuyahoga Amateur Radio Society

2021 Audit Committee Report

Ron, K8RJH

This year's Audit Committee met virtually on February 1, 2023, via a Zoom meeting for the purpose of reviewing and preparing the annual C.A.R.S. 2022 Financial Audit report. The committee members, President Toby Kolman, WT8O; Committee member Eddie Stevens, KD8FTS; and I with the financial statements prepared and presented by our club Treasurer Bob Check, W8GC.

Upon review, the members concluded all was in order of the C.A.R.S. Club Finances.

The Cuyahoga Amateur Radio Society is financially strong. However, good stewardship is not a replacement for income and fundraising. As previously stressed, we need to find additional income streams to fund activities and programs desired by the members. This is not just a function of the executive board. All suggestions are welcome.

A cornerstone of C.A.R.S. is education. The scholarship fund is strong, and I would encourage members to submit an application to utilize this opportunity this year. Remember, grandchildren are eligible for this \$750.00 education scholarship.

We all owe Bob a Thank-you for his dedication and care of the C.A.R.S. finances.

Submitted by Ron, K8RJH, Chairman Audit Committee.



David, AC8TN, was honored at the holiday party being selected **Ham Of The Year** for his outstanding service to CARS.

**WELCOME NEW
MEMBERS**

**STEVE MILLER
N8IYA**

**STEPHEN BOPPLE
KE8WNP**

**PETER BRADLEY
KA6SGT**

MARK SCOVILLE

March VE Session

The next VE testing session will be held Sunday, March 12th, at **9:15 AM*** at the Old Elmwood Recreation Center, 6200 Pete Wisniesky Parkway, Independence 44131. Directions and a map are on the CARS website homepage. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net

A fee of \$15.00 in check or cash, and a photo ID is required. If you have an Amateur Radio license, bring your original license and a copy of your license.

You must obtain a FRN number from the FCC before taking your Technician License exam by going to: <https://www.fcc.gov/licensing-databases/commission-registration-system-fcc>

There is a charge for all new licenses or upgrades. To register and pay go to: www.arrl.org/fcc-application-fee

As always, walk-ins are welcome.

***Please note the time change to 9:15 AM.**



As seen above, the CARS holiday dinner resulted in superb food, excellent company, and plenty of smiles.

The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence, Ohio, 44131-0264. Articles from this publication may be reprinted in any ham radio publication, if credit is given to this publication and the author, if known. All submissions should be emailed to: wt8o@att.net

CARS 2023 Officers & Committees

Audit

K8RJH ** WT8O, KD8FTS

Audio/Video

AC8NW **

ARRL Liaison

K8RJH **

Awards

W8GC ** WT8O

Christmas party & Summer Picnic

WJ8WM **, K8ARP, KD8FTU, KD8FTV

Field Day

K8RGI **, WT8O **, K8ARP, KD8SCV, AC8NW, AC8TN, WT8O, K8RJH

50/50

KD8SCV

Fund Raising

W8GC ** K8RJH, KE8OZU, WA8GCR

Hamvention Bus

KD8FTS **

Club Historian

WT8O **

License classes

KD8ACO **, WT8O, K8SHB

Media Representative

KD8SCV

Membership

WT8O ** W8GC

NET

WT8O **

Newsletter

WT8O ** 440-525-6109
wt8o@att.net

Programs at Meetings

KD8BAL ** KD8FTS, KE8OZU

Property Custodian's

KB8DTC paper records, W8GC donations to sell
WT8O Quartermaster

Public Services

KD8FTS **, K8ARP

QSL Manager - W8HBI, W8BM

WB8N **

Refreshments at Meetings & Picnic

K8RJH ** pop, NU8H ** Donuts, NU8Y ** Coffee

Scholarship

W8GC ** K8RGI, KE8OZU, WT8O, K8RJH

Sunshine (welfare)

Andy, KD8SCV ** 440-886-0723

Technical

AC8NW ** N8OVW, WJ8WM, KD8ACO, K8RJH, KB8DTC

VE Exams

Metro, W8MET ** 216-520-1320

Web Master/e-mail

W8GC ** KE8OZU

**** chairman or co-chairman**

2023 Officers

PRESIDENT

Toby Kolman WT8O 440-525-6109
wt8o@att.net

VICE-PRESIDENT

Ron Hollas, K8RJH, 216-379-7440

SECRETARY

Matt Perlman, KE8OZU, 216-337-1540
Alternate Secretary:

TREASURER:

Bob Check W8GC 216-524-1750
Alternate Treasurer: Bob Robbins, K8RGI

Board Members & License Trustees

Board Chairman:

Mark Moro WJ8WM 216-661-0342

even year executive board 2 year term

AC8NW, KB8DTC, WJ8WM

odd year executive board 2 year term

K8RGI, K8ARP, KD8FTS

License trustee

K8ZFR

WT8O

License trustee

W8HBI, W8BM,
W8GC



February 28, 2023